*UTAH OIL AND GAS CONSERVATION COMMISSION ELECTRIC LOGS ______ FILE X ____ WATER SANDS ____ REMARKS: WELL LOG LOCATION INSPECTED SUB. REPORT/abd. 4-23-86 DATE FILED LAND: FEE & PATENTED STATE LEASE NO PUBLIC LEASE NO. INDIAN U-52333 DRILLING APPROVED: 4-28-86 - (Exception Location) PUT TO PRODUCING: INITIAL PRODUCTION: PRODUCING ZONES TOTAL DEPTH: 7-27-87 LAID KIVA

DATE ABANDONED: FIELD: UNIT

SAN JUAN

API #43-037-31266 NAVAJO FEDERAL 44-4

TWP.

39\$

RGE.

25E

SEC.

OPERATOR

MERIDIAN OIL INC.

1/4 - 1/4 SEC. 4 FT. FROM (E) (W) LINE SE SE 960' FSL FT. FROM (N) (S) LINE, 910' FEL

WELL NO. LOCATION

COUNTY:

WELL ELEVATION:

GRAVITY A.P.I. GOR.

SPUDDED IN: COMPLETED:

TWP.

RGE

SEC

OPERATOR

Form 3160-3 (Provember 1983)

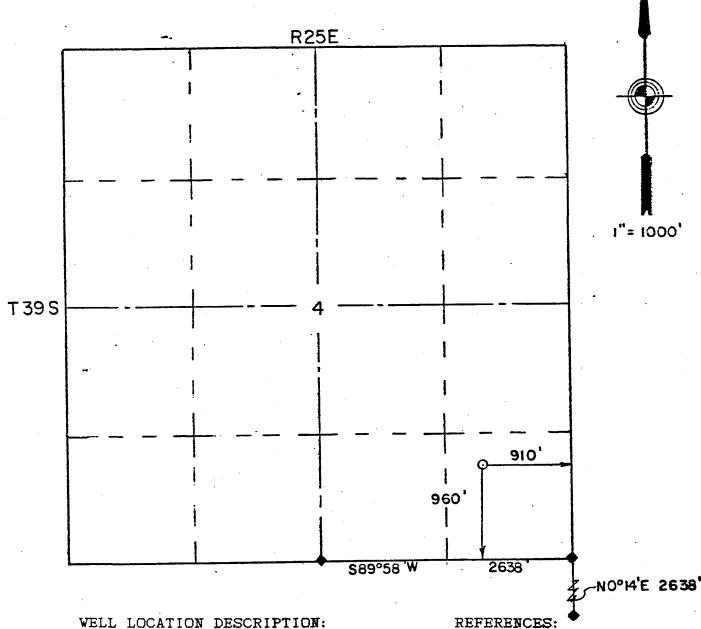
SUBMIT IN TH (Other instructions on

Form approved.
Budget Bureau No. 1004-0136

(formerly 9-331C)		IED STATES		reverse s	side)	Expires August	31, 1985
	DEPARTMEN					5. LEASE DESIGNATION	AND SERIAL NO.
	BUREAU O	F LAND MANA	GEMENT	•		U-52333	
APPLICATION	Y FOR PERMIT	TO DRILL, I	DEEPE	N, OR PLUG I	BACK	6. IF INDIAN, ALLOTTER	OR TRIBE NAME
la. TYPE OF WORK	LL 🖾	DEEPEN		PLUG BA	CK 🗆	7. UNIT AGREEMENT N	AME
b. TYPE OF WELL	LL &		L	1200 57			•
OIL X W	ELL OTHER		SING	LE X MULTII	PLE	8. FARM OR LEASE NAM	(B
2. NAME OF OPERATOR			A.			Navajo-Federa	a 1
MERIDIAN OIL I	NC.		1 1			9. WELL NO.	
3. ADDRESS OF OPERATOR			A Dec 8	' ^		44-4	
P. O. Box 1855 L LOCATION OF WELL (Re	, Billings, MT	59103		te mairements.*)		10. FIELD AND POOL, O	R WILDCAT
At surface	E (960' FSL -		th any Se			Kiva 11. SEC., T., R., M., OR 1 AND SURVEY OR AS	BLK.
At proposed prod. zon	Same				1	Section 4-398	
4. DISTANCE IN MILES			T OFFICE.		7 T	12. COUNTY OR PARISH	1
	ast Hatch Trad	ing Post			14_	San Juan	Utah
15. DISTANCE FROM PROPO LOCATION TO NEAREST	7	0101	16. NO.	OF ACRES IN LEASE		OF ACRES ASSIGNED THIS WELL	· · —
PROPERTY OR LEASE L (Also to nearest drig	g. unit line, if any)	910 '		2920.8		40	
 DISTANCE FROM PROP TO NEAREST WELL, D OR APPLIED FOR, ON THE 	OSED LOCATION* RILLING, COMPLETED, 1	000	ì	POSED DEPTH	20. ROT	ARY OR CABLE TOOLS	
OR APPLIED FOR, ON THE			1	5960' W	1	Rotary	WIT WALL CO.
				•			
4977 G 23.	L (graded)					3rd Quarter,	1900
		PROPOSED CASE	NG AND	CEMENTING PROGR	.AM		
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER F	roor	SETTING DEPTH	_	QUANTITY OF CEME	YT.
17-1/2	13-3/8	48#		80'	_!	-Mix to sfc.	
11	8-5/8	24#		2,000		stage, DV tool	
11	8-5/8	32#	1	3,450'	T .	to sfc w/1500 s	
7-7/8	5-1/2	15.5#		5,960'		le stage, top c per log +40% ex	
		APR 23	1986				and the second of the second o
		DUUCIO				102000000000000000000000000000000000000	051
		DIVISION		1	TENTI	N BROKMAN	UN 1
Oil and Gas Or	der #1	OIL, GAS &	MIMMIN	· LURI	1 1 1 1 1 1 1	The second secon	, A gent
Attachments:				E			
Survey Pla							
	t Drilling Pro						
Inirteen Po	oint Surface U	se Plan					
zone. If proposal is to	drill or deepen directio					ductive zone and proposed and true vertical dept	
preventer program, if an	y	(· · · · · · · · · · · · · · · · · · ·					
SIGNE OTH	Chuster		Sr.	Drilling Engi	neer	DATE 4/2	1/82
	ral or State office use)					w ·	
(This space for Fede	120-010	1.1.			MED E	RV THE CTATE	
(This space for Federal PERMIT NO. 43.	-037-312	66	^	FFRUVAL DATE		THE STATE	
42.	- <i>037-312</i>	66	A	OFL	JTAH [BY THE STATE DIVISION OF AND MINING	

*See Instructions On RevWELLESPACING:

WELL LOCATION PLAT



MERIDIAN OIL

44-4 NAVAJO-FEDERAL 960'FS & 910'FE SECTION 4, T39S, R25E, SLM SAN JUAN COUNTY, UTAH GROUND ELEVATION 4982'

200' NORTH 4977' 200' SOUTH 4976'

30 MARCH 1986

The above plat is true and correct knowledge and belief.

A No. 15705 WERAUDIG.

MERIDIAN OIL

April 21, 1986

State of Utah Natural Resources Oil, Gas and Mining 355 W. North Temple 3 Triad Center, Suite 350 Salt Lake City, Utah 84180-1203

Attention: Arlene Sollis

Re: Request for Exception Location

44-4 Navajo-Federal SESE Section 4-39S-25E San Juan County, Utah



DIVISION OF OIL. GAS & MINING

Gentlemen:

Meridian Oil Inc. requests the approval to drill an unorthodox location in Section 4-39S-25E of San Juan County, Utah. The above referenced location was staked 960' FSL - 910' FEL of Section 4.

A lease ownership plat is attached as Exhibit "A". Meridian Oil Inc. owns 75% of the oil and gas leasehold working interest (Lease U-52333) within a 660' radius of the proposed exception location. BWAB Inc. owns the remaining 25% interest in Lease U-52333 and is participating in the drilling of this well. BWAB Inc. has been notified and is in agreement with this location. No other offset owners are required to be notified since the offset acreage is owned by Meridian and BWAB Inc.

This exception location for the 44-4 Navajo-Federal is requested due to topographical reasons as per attached Exhibit "B".

Thank you for your consideration.

Sincerely,

Suzann S. Nelson

Sr. Operations Technician

Attachments

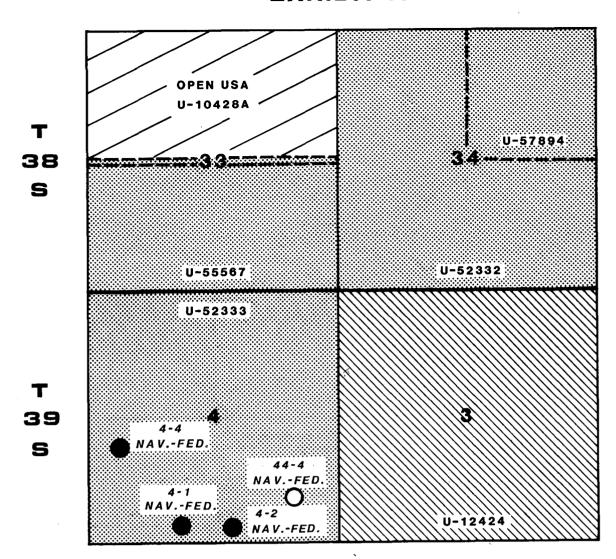
ssn

cc: BWAB Inc. - Denver, CO

Cindy Crawley, Bill Mitchell - Meridian Oil, Denver District

1175N

EXHIBIT A



R 25 E

KEY: LEASEHOLD OWNERSHIP

- MERIDIAN OIL INC. 75%, BWAB 25%

 (FEDERAL SERIAL NO. U-55567)

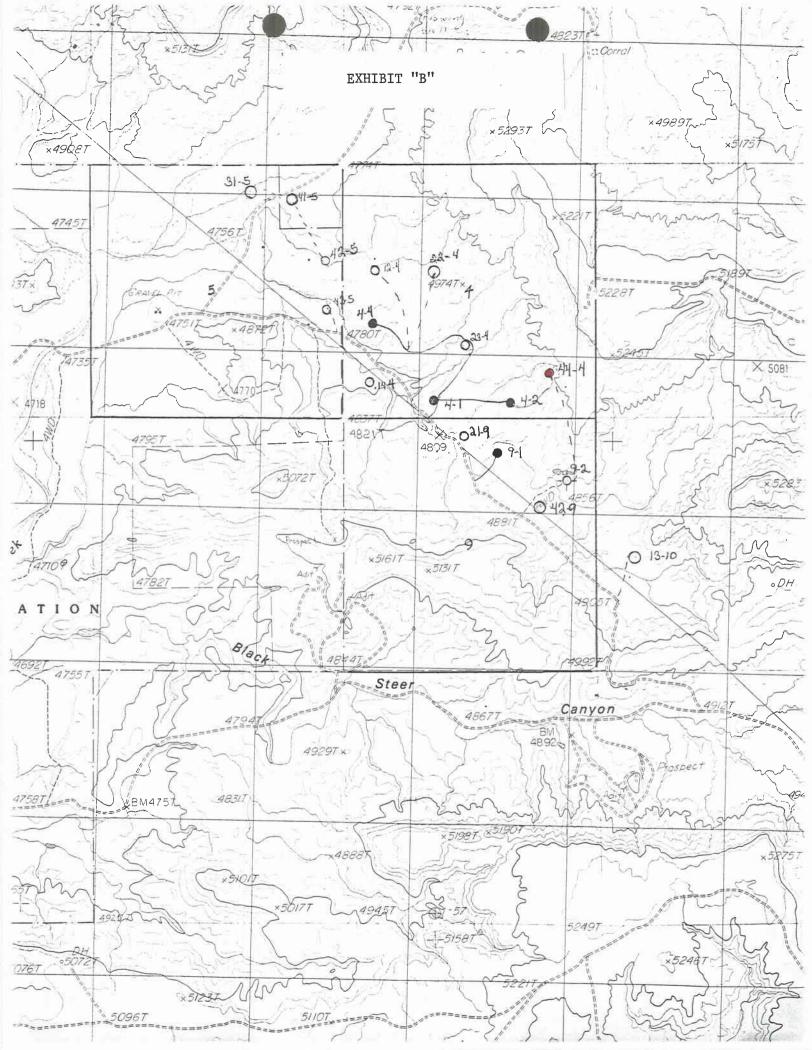
 (FEDERAL SERIAL NO. U-52333)

 (FEDERAL SERIAL NO. U-57894)
- OPEN USA U-10428A
- TEXACO INC. (50%), DONALD B. ANDERSON, LTD. (25%), CHORNEY OIL COMPANY (25%)
 (FEDERAL SERIAL NO. U-12424)
 - O PROPOSED LOCATION MOI. #44-4 NAV. FED. 960' FSL 910' FEL
 - EXISTING WELL MOI. #4-1 NAV. FED.
 370' FSL 1940' FWL
 - EXISTING WELL MOI. #4-2 NAV. FED. 300' FSL - 2225' FEL
 - EXISTING WELL MOI. #4-4 NAV. FED. 1980' FSL - 660' FWL (FEDERAL SERIAL NO. U-52333)

MERIDIAN OIL

T 39 S, R 25 E
SAN JUAN COUNTY, UTAH

SCALE 1"= 2000'



OIL AND GAS ORDER NO. 1

MERIDIAN OIL INC.

LEASE NAME: 44-4 Navajo-Federal

LEASE NO. U-52333

LOCATION: SESE Section 4-39S-25E

960' FSL - 910' FEL San Juan County, Utah

Kiva Field

A. EIGHT POINT DRILLING PROGRAM

1.& 2. Estimated Tops:

Morrison	Surface
Entrada	771
Navajo	956
Chinle	1653
Shinarump	2508
Cutler	2733
Hermosa	4613
Upper Ismay	5585
A Shale	5717
Lower Ismay	5738
Desert Creek	5823
Chimney Rock	5908
Akah	5931
TD	5960 _
	Į.

3. Pressure Control Equipment:

- a. A 3000 psi WP and 6000 psi test double gate preventer equipped with blind and pipe rams.
- b. BOP systems will be consistent with API RP 53. Pressure tests will be conducted before drilling out from under all casing strings which are set and cemented in place. Blowout preventor controls will be installed prior to drilling the surface casing plug and will remain in use until the well is completed or abandoned. Preventers will be inspected and operated at least daily to ensure good mechanical working order, and this inspection recorded on the daily drilling report. Preventers will be pressure tested before drilling casing cement plugs.

fresh water

CONFIDENTIAL INFORMATION

oil

oil

4. Casing program:

Anticipated cement tops will be reported as to depth, not the expected number of sacks. The San Juan Resource Area will be notified $\frac{1}{2}$ day before running casing strings and cement.

Hole				Cas	ing		
Size	Size	<u>Depth</u>	Weight	Grade	Thrd	Cond	Cementing Program
17-1/2	13-3/8	80	48#	H-40	ST&C	New	Redi-Mix to surface.
11	8-5/8	2,000	24#	K-55	ST&C	New	Two stage, DV tool @
11	8-5/8	3,450	32#	K-55	ST&C	New	1500' Cement to sfc w/1500 sx "B" Lite (35/65/6) +2% CaCl ₂ & 250 sx "B" +2% CaCl ₂ .
7-7/8	5-1/2	5,960	15.5#	K - 5 5	LT&C	New	Single stage, top of cmt @ 2950'. Caliper log + 40% excess. "B" Lite (35/65/6) + 1/4#/sx Flocele & Class "B" + fluid loss additive.

5. Proposed drilling mud program:

A water base mud system from surface to TD. Maximum anticipated mud weight is 10#/gallon.

A mud logging unit will be on location from 3450' to TD.

6. Testing program:

Lower Desert Creek - Possible Upper Ismay - Probable

Logging program:

Cal/GR/DLL/MSFL Base surface casing to TD (GR to surface)

Cal/GR/Sonic Base surface casing to TD (GR to surface displays)

Cal/GR/CNL/Lithoden 5200' to TD

Dipmeter: If Desert Creek indicates productive.

Coring program:

None planned.

Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (Form 3160-4) will be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3164. Two copies of all logs, core descriptions, core analysis, well-test data, geologic summaries, sample description, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed with Form 3160-4. If requested, samples (cuttings, fluids, and/or gases) will be submitted to the District Manager.

7. Anticipated abnormal BHP or BHT:

No abnormal BHP or BHT are expected in this well.

Potentially hazardous conditions anticipated:

No H_2S has been found, reported or is known to exist at these depths in this area.

8. Anticipated Starting Dates and Notifications of Operations

The operator will contact the San Juan Resource Area at 801-587-2201, $\underline{48}$ hours before beginning any dirt work.

No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in a suspended status without prior approval of the District Manager. If operations are to be suspended, prior approval of the District Manager will be obtained and notification given before resumption of operations.

The spud date will be reported orally to the San Juan Area Manager, a minimum of 24 hours before spudding. A Sundry Notice (Form 3160-5) will be sent within 24 hours after spudding, reporting the spud date and time. Fire Sundry will be sent to the District Manager. If the spudding is on a weekend or holiday, the Sundry will be submitted on the following regular work day.

In accordance with Onshore Oil and Gas Order No. 1, this well will be reported on Form 9-329 "Monthly Report of Operations," starting with the month in which operations begin and continue each month until the well is physically plugged and abandoned. This report will be sent to the BLM District Office, P. O. Box 970, Moab, Utah 84532.

Immediate Report: Spills, blowouts, fires, leaks, accidents, or any other unusual occurrences shall be promptly reported to the Resource Area in accordance with requirements of NTL-3A.

If a replacement rig is planned for completion operations, a Sundry Notice (Form 3160-5) to that effect will be filed, for prior approval of the District Manager. All conditions of this approved plan are applicable during all operations conducted with the replacement rig. In emergencies, verbal approval can be given by the District Petroleum Engineer.

If the well is successfully completed for production, then the District Manager will be notified when the well is placed in a producing status. Such notification will be sent by telegram or other written communication, not later than 5 business days following the date on which the well is placed on production.

No well abandonment operations will begin without the prior approval of the District Manager. In the case of newly drilled dry holes or failures, and in emergencies, oral approval will be obtained from the District Petroleum Engineer. A "Subsequent Report of Abandonment" (Form 3160-5), will be filed with the District Manager, within 30 days following completion of the well for abandonment. This report will indicate where plugs were placed and the current status of surface restoration.

Final abandonment will not be approved until the surface reclamation work required by the approved APD or approved abandonment notice has been completed to the satisfaction of the San Juan Area Manager, or the appropriate surface manager.

Approval to vent/flare gas during initial well evaluation will be obtained from the District Office. This preliminary approval will not exceed $\underline{30}$ days or 50 MMCF gas. Approval to vent/flare beyond this initial test period will require District Office approval pursuant to guidelines in NTL-4A.

Upon completion of approved plugging, a regulation marker will be erected in accordance with 43 CFR 3162.6. The following information wil be permanently beaded-on with a welding torch: Fed, well number, location by 1/4 1/4 section, township and range, Lease number.

A first production conference will be scheduled within 15 days after receipt of the first production notice. The San Juan Area Manager will schedule the conference.

Other: A separate rig will be used for completion operations.

The following may be inspected and/or witnessed:

- 1. The cementing and testing of surface casing.
- 2. (Dry Hole) Setting and testing of surface casing shoe plug.
- 3. (Depleted Producer) The setting and testing of plugs across the producing horizon and if applicable, the surface casing shoe plug and/or annulus (casing to formation) squeeze jobs.

Notify the San Juan Resource Area (Mike Wade) one day or on dry hole as soon as possible prior to the above at (801) 587-2201 (Home) (801) 587-2026 or if unable to reach Mike, call Moab District office Greg Noble at (801) 259-6111 (Home) (801) 259-8811.

B. THIRTEEN POINT SURFACE USE PLAN

Existing Roads (Yellow)

- a. Location of proposed well in relation to town or other reference point: 6 miles east of Hatch Trading Post.
- b. Proposed route to location. (See attached Exhibit "l").
- c. Existing and new access shall be maintained in good or better condition.
- d. An encroachment permit will be obtained from the San Juan County Road Dept., (801) 587-2231, ext. 43.

2. Planned Access Roads (Blue)

- a. The maximum total running surface width will be 18 feet.
- b Maximum grade is 10%.
- c. There will be no turnouts.
- d. Road is centerline flagged.
- e. Road will be drained as needed.
- f. If well is drilled during wet winter conditions, surface materials may be required to avoid maintnance problems.

Surface disturbance and vehicular travel will be limited to the approved location and approved access route. Any additional area needed will be approved in advance by the San Juan Area Manager.

The access road will be water barred or brought to Class III Road Standards within 60 days of dismantling of the drill rig. If this time frame cannot be met, the San Juan Area Manager will be notified so that temporary drainage control can be installed along the access road.

The Class III Road Standards which ensure drainage control over the entire road through the use of natural, rolling topography; ditch turnouts; drainage dips; outsloping; crowning; low water crossing; and culverts will be determined at the appropriate field inspection.

3. Location of Existing Wells (1 mile radius)

- a. Existing wells in the area are shown on attached Exhibit "l".
- 4. Location of Existing and/or Proposed Facilities if Well is Productive

Battery facility is shown on attached Exhibit "4".

All permanent (on site for 6 months or longer) above ground facilities (including pump jacks) will be painted a flat, nonreflective, earthtone color to match the standard environmental colors, as determined by the Rocky Mountain 5-State Interagency Committee. All facilities will be painted within 6 months of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) will be excluded. The color will be Desert Brown.

All flowlines will be buried parallel to existing roads unless authorized otherwise by BLM.

If a tank battery is constructed on this lease, it will be surrounded by a dike of sufficient capacity to contain 1-1/2 times the storage capacity of the battery.

All loading lines will be placed inside the berm surrounding the tank battery.

All site security guidelines identified in 43 CFR 3162.7 regulations will be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed.

All off-lease storage, off-lease measurement, or commingling on-lease or off-lease will have prior written approval from the District Manager.

Gas meter runs for each well will be located within 500 feet of the wellhead. The gas flowline will be buried from the wellhead to the meter and 500 feet dowstream of the meter un or any production facilities. Meter runs will be housed and/or fenced.

The oil and gas measurement facilities will be installed on the well location. The oil and gas meters will be calibrated in place before any deliveries. Tests for meter accuracy will be conducted monthly for the first 3 months on new meter installations and at least quarterly thereafter. The San Juan Area Manager will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports will be submitted to the San Juan Area Manager. All meter measurement facilities will conform with the API standards for liquid hydrocarbons and the AGA standard for natural gas measurement.

5. Location and Type of Water Supply

All water needed for drilling purposes will be obtained at a point: N 798.06 ft & E 1876.41 ft from SW corner of Section 28, T38S, R25E.

Use of water for this operation will be approved by obtaining a temporary use permit from the Utah State Engineer, (801) 637-1303 and by receiving permission from the landowner or surface management agency to use the land containing the water source.

6. Source of Construction Materials

Native soil materials from drilling location and access trail, which is available, will be used. Any additional materials needed will be hauled in from authorized commercial sources.

The use of materials under BLM jurisdiction will conform to 43 CFR 3610.2-3.

7. Methods for Handling Waste Disposal

The reserve pit $\underline{\text{will}}$ be lined unless deemed uncessary by the BLM, with commercial bentonite sufficient to prevent seepage. At lease half of the capacity will be in cut.

Three sides of the reserve pit will be fenced with four strands of barbed wire before drilling starts. The fourth side will be fenced as soon as the drilling is completed. The fence will be kept in good repair while the pit is drying.

A trash pit will be constructed near the mud tanks and dug at least six feet into solid undisturbed material. It will be totally enclosed with a fine wire mesh before the rig moves in. The road and pad will be kept litter free.

A burning permit is required for burning trash between May 1 and October 31. This can be acquired by contacting the State fire Warden, John Baker, at (801) 587-2705.

Produced waste water will be confined to a unlined pit for a period not to exceed 90 days after initial production. During the 90 day period, an application for approval of apermanent disposal method and location, along with the required water analysis, will be submitted for the District Manager's approval pursuant to Onshore Oil and Gas Order No. 3 (NTL-2B).

8. Ancillary Facilities

Camp facilities will not be required.

9. Well Site Layout

Rig layout is shown on attached Exhibit "9a".

Cuts and fills are shown on attached Exhibit "9b".

Whatever is available of top soil material will be removed from the location and stockpiled on the on southeast side of well pad. Topsoil along the access will be reserved in place.

Access to the well pad will be from the south.

10. Reclamation:

- a. Immediately on completion of drilling, all trash and debris will be collected from the location and surrounding area. All trash and debris will be disposed of in the trash pit and will then be compacted and buried under a minimum of two feet of compacted soil.
- b. The operator/holder or his contractor will contact the San Juan Resource Area office in Monticello, Utah, (801) 587-2201, 48 hours before starting reclamation work that involves earthmoving equipment and upon completion of restoration measures.
- c. Before any dirt work to restore the location takes place, the reserve pit must be completely dry.
- d. All disturbed areas will be recontoured to blend as nearly as possible with the natural topography. This includes removing all berms and refilling all cuts.
- e. The stockpiled topsoil will be spread evenly over the disturbed area. All disturbed areas will be ripped 8-12 inches deep with the contour.
- f. Water bars will be built as follows to control erosion.

<u>Grade</u>	Spacing				
2%	Every 200 feet				
2 - 4 %	Every 100 feet				
4 - 5 %	Every 75 feet				
5+%	Every 50 feet				

- g. Seed will be broadcast between October 1 and February 28 with the following prescription. A harrow or similar implement will be dragged over the area to assure seed cover.
 - 3 lbs/acre Indian ricegrass (Oryzopsis hymenoides)
 - 3 lbs/acre Galleta (Hilaria jamesii)
 - 3 lbs/acre crested wheatgrass (Agropyron desertorum)
 - 2 lbs/acre Fourwing saltbush (Atriplex canenscens)
- h. After seeding is complete, the stockpiled trees will be scattered evenly over the disturbed areas. The access will be blocked to prevent vehicular access.
- i. The reserve pit and that portion of the location and access road not needed for production or production facilities will be reclaimed as described in the reclamation section. Enough topsoil will be kept to reclaim the remainder of the location at a future date. This remaining stockpile of topsoil will be seeded in place using the prescribed seed mixture.

11.	Surface	Ownership:_	Federal
	Mineral	Ownership:	Federal

12. Other Information

A low water crossing will be required on access.

There will be no change from the proposed drilling and/or workover program without prior approval from the District Manager. Safe drilling and operating practices must be used. All wells, whether drilling, producing, suspended, or abandoned will be identified in accordance with 43 CFR 3162.2.

"Sundry Notice and Report on Wells" (Form 3160-5) will be filed for approval for all changes of plans and other operations in accordance with 43 CFR 3164.

The dirt contractor will be provided with an approved copy of the surface use plan.

If subsurface cultural materials are exposed during construction, work in that spot will stop immediately and the San Juan Resource Area Office will be contacted. All people who are in the area will be informed by the operator/holder that they are subject to prosecution for disturbing archaeological sites or picking up artifacts. Salvage or excavation of identified archaeological sites will be done by a BLM approved archaeologist only if damage occurs.

This permit will be valid for a period of one year from the date of approval. After permit termination a new application will be filed for approval for any future operations.

Your contact with the District Office is: Greg Noble Office Phone: 801-259-6111 Address: P. O. Box 970, Moab, UT 84532 .

Resource Area Manager's Address and contacts: Address: P. O. Box 7, Monticello, UT 84535

Your contact is: Rich McClure Office Phone: 801-587-2201

13. Lessee or Operator's Field Representative and Certification

Meridian Oil Inc.

P. O. Box 1855 Billings, Montana 59103

1.	Johnny L. Wright, Drilling Supt.	406-256-4175	406-252-2889
2.	Rick Muncrief, Area Drilling Engineer	406-256-4155	406-245-9896
3.	Barry Winstead, Sr. Drilling Engineer	406-256-4030	406-656-7521
4.	John Pulley, Drilling Manager	406-256-4124	406-259-6156

CERTIFICATION:

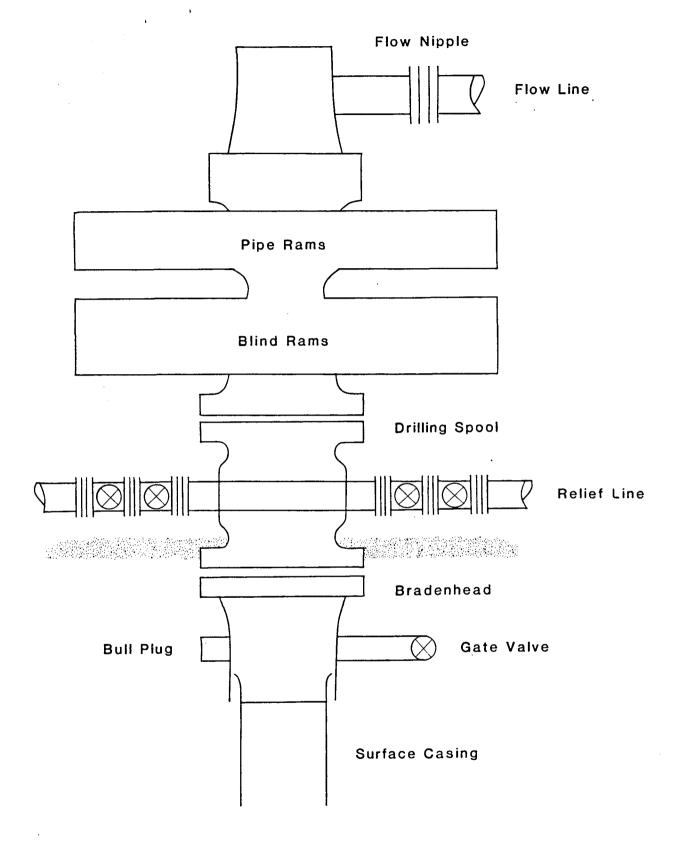
I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct, and, that the work associated with the operations proposed herein will be performed by Meridian Oil Inc. and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

Barry Q. Winstead

Sr. Drilling Engineer

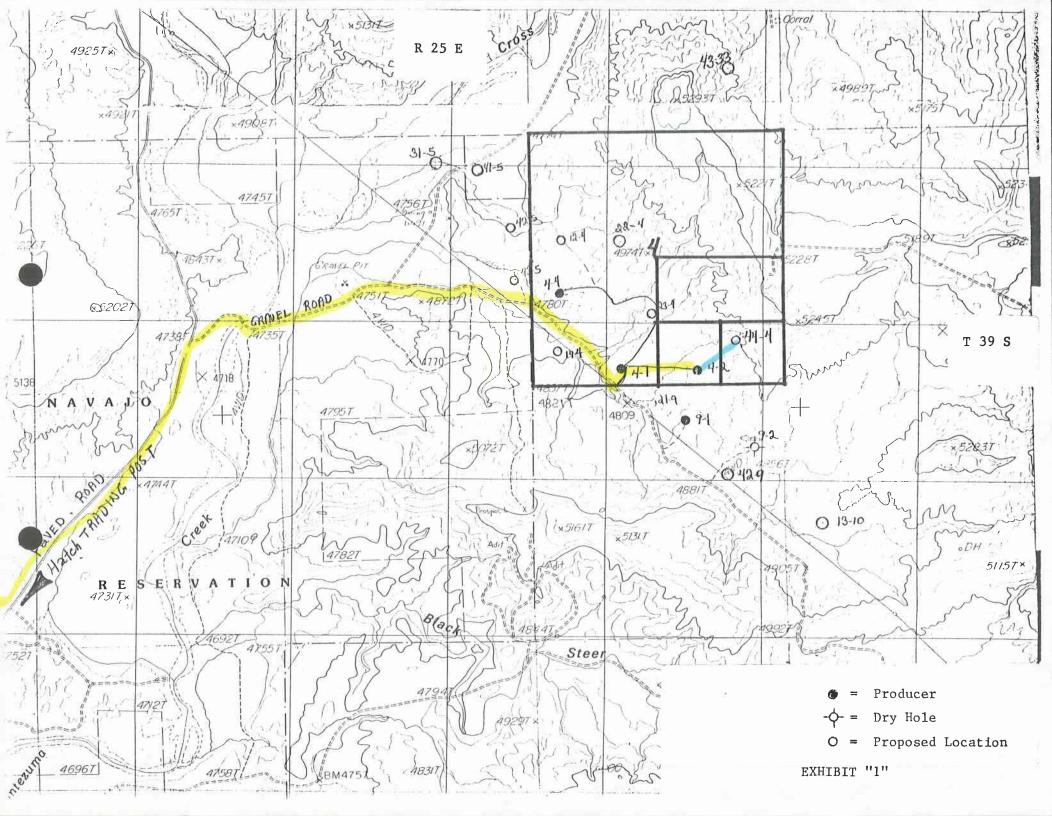
4/Z1/86

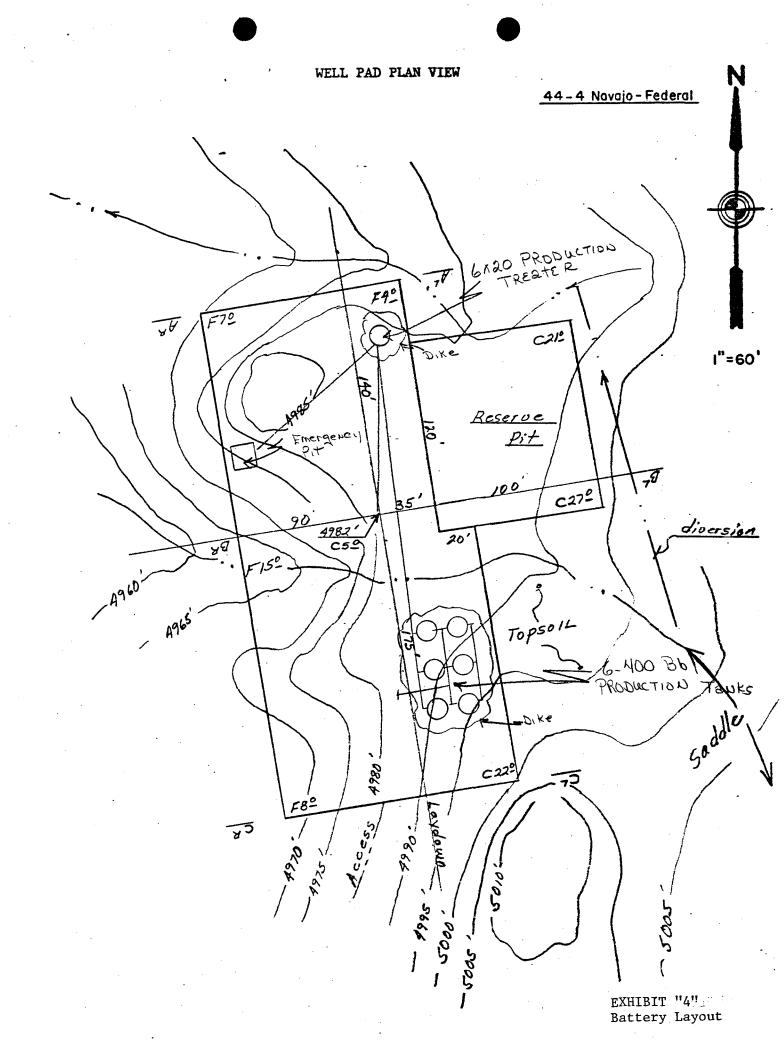
ssn

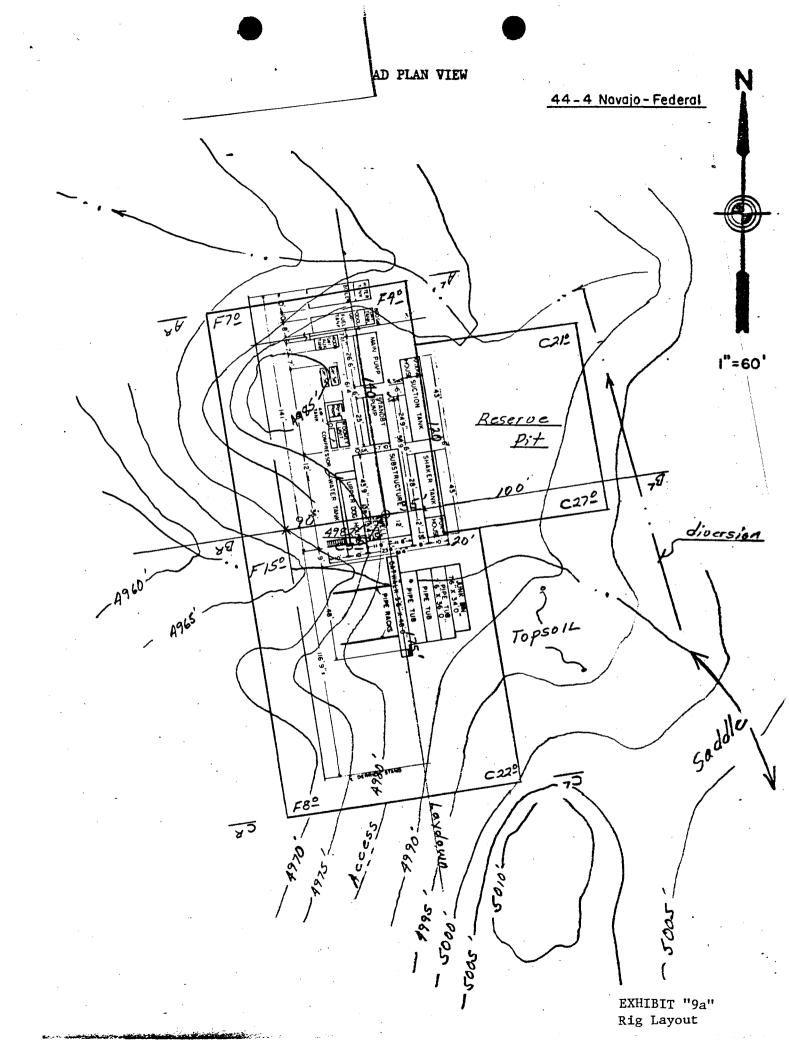


Series 900 Double Gate B.O.P., rated at 3000 psi Working Pressure.

When gas drilling operations begin a Shaffer type 50 or equivalent rotating head is installed on top of the flow nipple and the flow line is converted into a blowie line.







Cut ////
Fill ?= ? Scales: 1" = 60' H. 1"=30 V. <u>c'</u> BL BR

AL

30' 4977 30' 30' 4977 30 30 * 4977 30' -

EXHIBIT "9b" Cross-Sections

AR

CONFIDENTIAL

OPERATOR //eredian Oil	Inc	DATE	4-24-86
WELL NAME Trays Felor	el 44-4		
OPERATOR //eridian all WELL NAME /Nevajo Felon SEC SE SE 4 T 395 R	<u> 25E</u> CC	DUNTY 🚄	kan Juan
43-037-31266 API NUMBER		Hed TYPE OF	LEASE
CHECK OFF:			
PLAT	BOND		NEAREST WELL
LEASE	FIELD		POTASH OR OIL SHALE
PROCESSING COMMENTS: No other wells with	925		
no other wells with Med water permit Exception requested.			
APPROVAL LETTER:			
SPACING: 203 UNIT			302
CAUSE NO. &	DATE	/	302.1
STIPULATIONS;			
,			



Norman H. Bangerter, Governor Dee C. Hansen, Executive Director Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

April 28, 1986

Meridian Oil Incorporated P. O. Box 1855 Billings, Montana 59103

Gentlemen:

Re: Well Name: Navajo Federal 44-4 - SE SE Sec. 4, T. 39S, R. 25E 960' FSL, 910' FEL - San Juan County, Utah

Approval to drill the referenced well is hereby granted in accordance with Rule 302.1, Oil and Gas Conservation General Rules, subject to the following stipulations:

1. Prior to commencement of drilling, receipt by the Division of evidence providing assurance of an adequate and approved supply of water as required by Chapter 3, Title 73, Utah Code Annotated.

In addition, the following actions are necessary to fully comply with this approval:

- 1. Spudding notification to the Division within 24 hours after drilling operations commence.
- 2. Submittal to the Division of completed Form OGC-8-X, Report of Water Encountered During Drilling.
- 3. Prompt notification to the Division should you determine that it is necessary to plug and abandon this well. Notify John R. Baza, Petroleum Engineer, (Office) (801) 538-5340, (Home) 298-7695, or R. J. Firth, Associate Director, (Home) 571-6068.
- 4. Compliance with the requirements and regulations of Rule 311.3, Associated Gas Flaring, Oil and Gas Conservation General Rules.

P[age 2

Meridian Oil Incorporated Well Name: Navajo Federal 44-4

April 28, 1986

- 5. Prior to commencement of the proposed drilling operations, plans for toilet facilities and the disposal of sanitary waste at each drill site shall be submitted to the local health department having jurisdiction. Any such drilling operations and any subsequent well operations must be conducted in accordance with applicable State and local health department regulations. A list of all local health departments and copies of applicable regulations are available from the Division of Environmental Health, Bureau of General Sanitation, telephone (801) 533-6163.
- 6. This approval shall expire one (1) year after date of issuance unless substantial and continuous operation is underway or an application for an extension is made prior to the approval expiration date.

The API number assigned to this well is 43-037-31266.

Sincerely,

Associate Director, Oil & Gas

as
Enclosures
cc: Branch of Fluid Minerals
D. R. Nielson

8159T

Form 3169-3 (November 1983) (formerly 9-331C)

4977' GL (graded)

SUBMIT IN TRIPLICATE* (Other instructions on reverse side) UNITED STATES

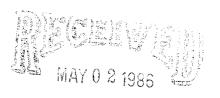
Form approved. Budget Bureau No. 1004-0136 Expires August 31, 1985

5. LEASE DESIGNATION AND SERIAL NO.

3rd Quarter, 1986

,	DEP	ARTMEN	it o	F THE	INTERIO	R		
	В	UREAU O	F LA	ND MANA	GEMENT			
APPLICATION	FOR	PERMIT	TO	DRILL,	DEEPEN,	OR	PLUG	BAC
TPE OF WORK								

BUREAU OF LAND MANAG	U-52333			
APPLICATION FOR PERMIT TO DRILL,	DEEPEN, OR PLUG B	ACK	6. IF INDIAN, ALLOTTEE	OR TRIBE NAME
DRILL I DEEPEN	☐ PLUG BAC	ж 🗆	7. UNIT AGREEMENT NA	XB
b. TYPE OF WELL OIL GAS WELL WELL OTHER	SINGLE X MULTIP	LE _	8. FARM OR LEASE NAM	2
2. NAME OF OPERATOR			Navajo-Federa	1
MERIDIAN OIL INC.			9. WELL NO.	
3. ADDRESS OF OPERATOR			44-4	
P. O. Box 1855, Billings, MT 59103			10. FIELD AND POOL, OF	R WILDCAT
4. LOCATION OF WELL (Report location clearly and in accordance wi	th any State requirements.*)		Kiva	
SESE (960' FSL - 910' FEL)			11. SEC., T., R., M., OR B AND SURVEY OR ARI	
At proposed prod. zone Same			Section 4-39S	-25E
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POS	ST OFFICE*	~~~	12. COUNTY OR PARISH	13. STATE
6 miles east Hatch Trading Post			San Juan	Utah
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST	16. NO. OF ACRES IN LEASE		F ACRES ASSIGNED HIS WELL	
PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any)	2920.8		40	
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, 1000.	19. PROPOSED DEPTH	20. ROTA	RY OR CABLE TOOLS	
TO NEAREST WELL, DRILLING, COMPLETED, 1000 or applied for, on this lease, ft.	5960 '		Rotary	
21. ELEVATIONS (Show whether DF, RT, GR. etc.)			22. APPROX. DATE WOL	RE WILL START



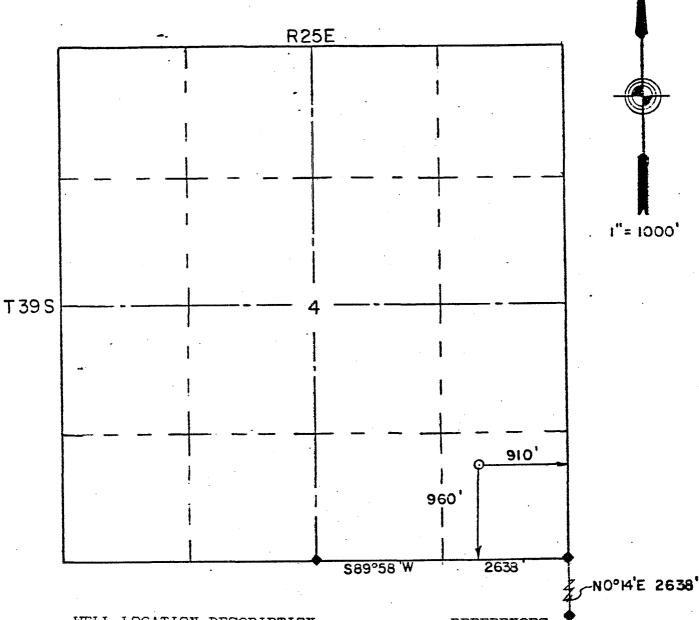
DIVISION OF OIL, GAS & MINING

IN ABOVE SPACE DESCRIBE PROFOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any. $\overline{24}$. TITLE Sr. Drilling Engineer (This space for Federal or State office use) PERMIT NO. APPROVAL DATE Acting Kenneth V. Rhea 3 0 APR 1986 DISTRICT MANAGER APPROVED BY CONDITIONS OF APPROVAL, IF ANY :

FLARING OR VENTING OF GAS IS SUBJECT OF NTL 4-A **DATED 1/1/80**

NOTICE OF APPROVAL *See Instructions On Reverse Side

WELL LOCATION PLAT



WELL LOCATION DESCRIPTION:

REFERENCES:

MERIDIAN OIL

44-4 NAVAJO-FEDERAL 960'FS & 910'FE SECTION 4, T39S, R25E, SLM SAN JUAN COUNTY, UTAH GROUND ELEVATION 4982'

200' NORTH 4977' 200' SOUTH 4976'

30 MARCH 1986

The above plat is true and correct to the best of my knowledge and belief.

Gerawa Mo. 157195 ston
Land Sugenayorg.
HUDDLESTON

			Form ap	
Form 3160-5	UNIT STATES	SUBMIT IN TRIPLIC	Budget I	Bureau No. 1004-0135 August 31, 1985
November 1983) Formerly 9-331) DEPARTN	MENT F THE INTERIC	(Other Instructions		NATION AND BERIAL NO.
(- 3	U OF LAND MANAGEMENT	· /		_
			U-5233	ALLOTTEE OR TRIBE NAME
SUNDRY NOT	ICES AND REPORTS O	N WELLS	January, /	IRAN GOLAL DO WELLCON
(Do not use this form for propos	sals to drill or to deepen or plug back ATION FOR PERMIT—" for such pro-	k to a different reservoir.		
	LION FOR PERMIT— for such proj	Program Dr. J	7	
1. OIL CAS	MAIN	PARTE IN THE PER	7. UNIT AGREE	MENT NAME
WELL X WELL OTHER		COLED IV MI		
2. NAME OF OPERATOR			8. FARM OR LE	ASE NAME
MERIDIAN OIL INC.		MAY 1 0 1096	// Navajo-1	Federal
3. ADDRESS OF OPERATOR		MHI 13 1300	9. WELL NO.	
P.O. Box 1855, Billing	gs, MT 59103		44-4	
 LOCATION OF WELL (Report location c See also space 17 below.) 				POOL, OR WILDCAT
At surface	O!	L. GAS & MINING	Kiva	
SESE (960	O' FSL - 910' FEL)		11. SMC., T., R.,	M., OR BLK. AND
5252 (500	, 102 , 10 , 122,		SCRANK	OR AREA
			Section	n 4-39S-25E
14. PERMIT NO.	15. ELEVATIONS (Show whether DF, 8	rt, GR, etc.)	12. COUNTY OF	PARISH 13. STATE
43-037-31266	4977' GL (grad	ed)	San Jua	an Utah
16. Check Ar	opropriate Box To Indicate Na	ture of Notice, Report,	or Other Data	
NOTICE OF INTEN	TION TO:	80	BEEQUENT REPORT OF:	:
	<u> </u>			
	PCLL OR ALTER CASING	WATER SHUT-OFF	REP	AIRING WELL
FRACTURE TREAT	MULTIPLE COMPLETE	FRACTURE TREATMENT	ALT	ERING CASING
SHOOT OF ACIDIZE	ABANDON*	SHOOTING OR ACIDIZING	ABA	NDONMENT*
REPAIR WELL	CHANGE PLANS	(Other)	coults of multiple com	Platter on Well
(Other)		Completion or Re	esults of multiple com completion Report and	i Log form.)
surface hole to a d DeChelly formation the 8-5/8" surface method circulating (diagram attached) bottom of the 8-5/8 absence of the salt the alternate setti bottom, the 5-1/2" two-stage method wi stage TOC would be	lepth of 3450'. If the has not been encounter casing off bottom at cement to surface. A will be utilized for 8" casing. The propose water flow and woulding depth of +1600'. production casing will the a stage collar place +1200'. In the event ion casing will be se	e salt water flow red by 3450', Mer ± 1600' and cement basket cementing cementing in this ed method would b protect surface If 8-5/8" surface be set at TD anced at ±3650'. T	(est @ 3158' idian propose by the single shoe assemble situation on e used only if resh water seasing is sead cemented by he proposed season) in the es to set e-stage y the in the sands at et off the second atered,
				•
	<u> </u>			
13. I hereby certify that the foregoing is	s true and correct			
SIGNED (Clinda)	(all TITLE Pet	roleum Engineer	DATE _	5/15/86
(This space for Federal or State off	.ce use)			
APPROVED BY	TITLE		ACCEPTED	BY THE STATE
CONDITIONS OF APPROVAL, IF A				DIVISION OF
Padami				AND MINING
Fodoral approval of this and	**		· UIL. CHO.	WIND IMMINIO

Federal approval of this action is required before commencing operations.

*See Instructions on Reverse Side



DIVISION OF OIL, GAS & MINING Moab District P. O. Box 970 Moab, Utah 84532

JUL 20 1970

Meridian Oil Inc. P. O. Box 1855 Billings, MT 59103

Re: Rescinding Application for Permit to Drill Well No. Navajo-Federal 44-4 Sec. 4, T. 39 S., R. 25 E. San Juan County, Utah Lease U-52333

Gentlemen:

The Application for Permit to Drill the referenced well was approved on April 30, 1986. Since that date, no known activity has transpired at the approved location.

Applications for permit to drill are effective for a period of one year. In view of the foregoing, this office is rescinding the approval of the referenced application.

Should you intend to drill this location at a future date, a new application for permit to drill must be submitted.

If you have any questions, please contact the Branch of Fluid Minerals (801) 259-6111.

Sincerely yours,

/s/ Kenneth V. Rhea

District Manager

cc:

State of Utah, Division of Oil, Gas and Mining ν San Juan Resource Area

bcc:

U-942, Utah State Office

CFreudiger/cf 7/17/87



Norman H. Bangerter, Governor Dee C. Hansen, Executive Director Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

072833

July 22, 1987

Meridian Oil Inc. P.O. Box 1855 Billings, Montana 59103

Gentlemen:

RE: Well No. Navajo-Federal 44-4, Sec. 4, T. 39S, R. 25E, San Juan County, Utah, API NO. 43-037-31266

In concert with action taken by the U.S. Bureau of Land Management, approval to drill the above referenced well is hereby rescinded. A new Application for Permit to Drill must be filed with this office for approval, <u>prior</u> to future drilling of the subject location.

If any previously unreported operations have been performed on this well location, it is imperative that you notify the Division of Oil, Gas and Mining immediately.

Sincerely,

⊅ohn R. Baza

Petroleum Engineer

sb

cc: BLM-Moab

D. R. Nielson

R, J. Firth

Well file

0327T-87